

(PCT Article 36 and Rule 70)

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/000339

## Box No. I Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-4, 8-11, 13-14, 17 as originally filed/furnished
- pages\* 5, 5/1, 6, 6/1, 7, 7/1, 12, 15, 15/1, 16 received by this Authority on 14.11.2005
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- nos. 2, 4-5, 7-8 as originally filed/furnished
- nos.\* \_\_\_\_\_ as amended (together with any statement) under Article 19
- nos.\* 1, 3, 6 received by this Authority on 14.11.2005
- nos.\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the drawings:
- sheets fig. 1-11 as originally filed/furnished
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																					
1. Statement	<table><tbody><tr><td rowspan="2">Novelty (N)</td><td>Claims</td><td><u>1-8</u></td><td>YES</td></tr><tr><td>Claims</td><td></td><td>NO</td></tr><tr><td rowspan="2">Inventive step (IS)</td><td>Claims</td><td><u>1-8</u></td><td>YES</td></tr><tr><td>Claims</td><td></td><td>NO</td></tr><tr><td rowspan="2">Industrial applicability (IA)</td><td>Claims</td><td><u>1-8</u></td><td>YES</td></tr><tr><td>Claims</td><td></td><td>NO</td></tr></tbody></table>	Novelty (N)	Claims	<u>1-8</u>	YES	Claims		NO	Inventive step (IS)	Claims	<u>1-8</u>	YES	Claims		NO	Industrial applicability (IA)	Claims	<u>1-8</u>	YES	Claims		NO
Novelty (N)	Claims		<u>1-8</u>	YES																		
	Claims		NO																			
Inventive step (IS)	Claims	<u>1-8</u>	YES																			
	Claims		NO																			
Industrial applicability (IA)	Claims	<u>1-8</u>	YES																			
	Claims		NO																			
2. Citations and explanations (Rule 70.7)	<p>Document 1: JP 1-140432 A (Sony Corp.), 01 June 1989, page 3, lower left column, line 20 to page 5, lower left column, line 13 and fig. 1 to 3</p> <p>Document 2: JP 10-134380 A (Matsushita Electric Industrial Co., Ltd.), 22 May 1998, paragraphs [0021] to [0029] and fig. 1 to 6</p> <p>Document 3: JP 9-50303 A (Mitsubishi Electric Corp.), 18 February 1997, paragraphs [0030] to [0082] and fig. 1 to 9</p> <p>Document 4: JP 3-194736 A (Konica Corp.) 26 August 1991, entire text and fig. 1 to 5</p> <p>The inventions set forth in claims 1 to 8 are not disclosed in any of the documents that are cited in the international search report, and would not have been obvious to a person skilled in the art (however, refer to box VIII).</p>																					

**Box No. VIII** Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

The inventions set forth in the present application are capable of exhibiting an effect whereby said inventions "prevent phase rotation from occurring during the filtering process, and specifically exhibit a high tracking performance even in relation to partial side runouts that have high-frequency components."

In order for the inventions to be capable of exhibiting the abovementioned effect, it is considered to be necessary for the "operating frequency of the drive signal (or a sub-frequency thereof)" to be higher than the switching frequency of the "plurality of memory regions." However, the feature indicated in the underlined section is not explicitly set forth in the disclosures in claims 1 and 6 (or in the disclosures of claims 2 to 5, 7 and 8, which cite claim 1 or claim 6).